



**STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF PURCHASING AND MATERIALS MANAGEMENT**

NOTIFICATION OF STATEWIDE CONTRACT

October 7, 2002

TITLE: Telecommunications/Data Wiring & Installation

CONTRACT PERIOD: October 1, 2002 through September 30, 2003

BUYER: John Stobbart
(573) 751-3796
stobj@mail.oa.state.mo.us

ALL PURCHASES MADE UNDER THIS CONTRACT MUST BE FOR **PUBLIC USE ONLY**.
PURCHASES FOR PERSONAL USE BY PUBLIC EMPLOYEES OR OFFICIALS ARE PROHIBITED.

THE USE OF THIS CONTRACT IS **NOT MANDATORY**.

This contract has been established for the convenience of state agencies. Local Purchase Authority may be used to purchase supplies/services included in this contract from an alternative source at the discretion of the agency.

Instructions for use of this contract, specifications, requirements, and pricing are attached.

CONTRACT NUMBER	VENDOR NUMBER	VENDOR INFORMATION	MBE/ WBE	COOP PROCURE-MENT
C200106001	43186506000 (Orders and payments)	Lan-Tel Communications 307 S. E. AA Highway Blue Springs, MO 64014 Contact person and telephone numbers are provided in paragraph 1.13.1	MBE 20% WBE10%	No

COUNTIES/

CITY SERVED: Adair, Buchanan, Butler, Cape Girardeau, Clay, Franklin, Greene, Jackson, Jasper, Jefferson, Macon, Marion, Newton, Pettis, Platte, Scott, St. Francis, St. Louis City, St. Louis County, Vernon, Warren, and Washington.

PURPOSE:

To provide miscellaneous routine telecommunications/data wiring and installation services for the convenience of those state agencies located within the above described city and areas served. The Division of Purchasing and Materials Management shall have the sole option to renew the contract in one (1) year increments, or a portion thereof, for a maximum total of four (4) additional years.

STATEWIDE CONTRACT HISTORY

The following summarizes actions related to this Notification of Statewide Contract since its initial issuance. Any and all revisions have been incorporated into the attached document.

Contract Period	Issue Date	Summary of Changes
10/01/02 – 09/30/03	10/07/02	Re-issue of statewide notice upon contract renewal. Adds additional time and materials labor rates.
09/20/01 – 09/30/02	02/06/02	Revises telephone numbers and contact person as stated in paragraph 1.13.1 in the statewide notice.
09/20/01 – 09/30/02	12/14/01	Revises vendor number.
09/20/01 – 09/30/02	09/21/01	Initial issuance of new statewide contract

1. USING AGENCY INFORMATION

1.1 General Requirements:

- 1.1.1 The contractor shall provide all materials and services needed to satisfy the requirements contained herein for any department of the State of Missouri (referred to hereinafter as “state agency”) in the regions in which the contractor provides services. The contractor shall understand and agree that the State cannot guarantee the use of any specific quantities of the contractor’s services.
 - a. The contractor understands and has agreed that this shall not be construed to be an exclusive contract; that other contracts exist and will continue to be utilized for similar or identical services in the identified regions; and that other contracts may be established at the sole option of the State of Missouri which could include similar or identical services.
- 1.1.2 The contractor must provide the required services for the entire counties that make up the region that the contractor is awarded.
- 1.1.3 The contractor must have demonstrated successful experience in the installation of both telephone and data cabling in large commercial buildings or office complexes.
- 1.1.4 The contractor must perform all services in compliance with Electronic Industries Association/Telecommunications Industry Association (EIA/TIA) standards, and suggested EIA/TIA standards in cases where Category six wiring is utilized.
- 1.1.5 All work and materials shall comply with all State and Federal laws, municipal ordinances, regulations, and directions of inspectors appointed by proper authorities having jurisdiction. If the contractor’s work is at anytime in violation of applicable codes, the contractor shall correct the situation at no cost to the State.
- 1.1.6 All cabling, wiring, and/or other hardware installed shall be in accordance with the current National Electrical Code, National Electrical Safety Code, and state and local codes and ordinances and standard industrial practices.
- 1.1.7 The contractor shall provide competent personnel who shall be in charge of the work in progress. The name(s) of the individual(s) assigned and their supervisor(s) shall be verbally communicated to the State of Missouri’s on-site coordinator, or in writing, if requested by the agency, prior to the start of work.
- 1.1.8 The contractor must possess and maintain sufficient resources, including adequate staffing of trained personnel, to meet the requirements of the State of Missouri as set forth herein.

1.2 Wiring Installation Requirements:

- 1.2.1 The contractor shall furnish all labor and materials, unless otherwise specified by the agency, required for the successful completion of the work described herein.
- 1.2.2 The contractor shall be allowed access to state buildings, including docks and elevators (where available), in order to carry out the required work. However, the contractor must agree and understand that scheduling of work activity must not cause unnecessary disruption of state activities, including physical plant activities.
- 1.2.3 The State of Missouri will make available secure space at each site for the use of the contractor to receive and store materials and/or equipment. This space will be provided only during the duration of a specific work order. The contractor or his designated employee shall be responsible to receive and accept any and all material and/or equipment upon delivery by the common carrier.
- 1.2.4 The contractor shall take necessary precautions at all times to protect and preserve all materials, supplies, and equipment, as well as work in progress, from damage due to theft or vandalism.

- 1.2.5 The contractor shall adhere to all sign-in procedures as required by the state agency. If no procedures are in place, the contractor shall report to the state agency on-site coordinator when the work begins and when the job is finished
- 1.2.6 The contractor shall coordinate all work with the requesting state agency's on-site coordinator and, if requested by the state agency, the Office of Administration-Division of Facilities Management and Office of Administration-Division of Information Services.
- 1.2.7 The contractor shall agree that prior to the commencement of any installation, the State of Missouri on-site coordinator and, if requested by the state agency, the Division of Facilities Management and/or Division of Information Services, shall review all cable routing plans for final approval.
- 1.2.8 The contractor shall not drill any holes or make other openings in wall, floors, or ceilings without the consent of the building manager, facility landlord, or state agency coordinator. The contractor shall be responsible for such activities unless directed otherwise by the ordering state agency.
- 1.2.9 The contractor shall replace, restore, or bring to original condition any damage to floors, ceilings, walls, furniture, grounds, pavement, etc, caused by the contractor's personnel and operations. Any damage or disfigurement shall be restored at the contractor's expense.
- 1.2.10 The contractor shall install telephone or data wiring as specified by the authorized agency coordinator. The agency, with the assistance of the Division of Facilities Management, and/or Division of Information Services if requested, shall identify the application to be run on the wire and identify the type and category (level) of cable to be installed. All materials used in a wiring run must meet or exceed the specified level.
- 1.2.11 Voice termination in the telephone/data closet shall be on existing, if available, or contractor provided connecting blocks as specified by the ordering agency. Data terminations in the telephone/data closet shall be on data blocks or patch panels as specified by the agency. All terminated wires shall be clearly labeled.
- 1.2.12 The contractor shall terminate all telephone and data cables at each office location in standard electrical box(es) (provided by the agency) unless otherwise specified by the agency.
- 1.2.13 The contractor shall install modular type wall plates as specified by the agency at each office location. NOTE: If agency desires other than the standard wall plate provided by the contractor, the agency shall be responsible for providing the wall plate.
- 1.2.14 Each wall plate shall be numbered and labeled by the contractor with a permanent type label. Wiring numbering should have an organized scheme and labeled at the block and jack.
- 1.2.15 All wiring shall be tested for continuity and polarity to the jack after completion of installation of all wiring. Any wiring failing such test shall be repaired or replaced by the contractor prior to acceptance.
- 1.2.16 All level 5 installations must be certifiable by the contractor. Actual testing and certification shall only be required upon special request by the agency. Any such certifications performed at the time of installation of the wiring run shall be performed at the contract price established herein per level 5 certification at the time of installation. Any level 5 certifications required at times other than the time of installation shall be performed at the contract price per hour established herein for work performed on a time and materials basis.

1.3 Cross-Connection Requirements:

- 1.3.1 The contractor shall provide and install cross-connecting wire between the telephone company network interface (demarcation) and the State's connecting block.
- 1.3.2 The contractor shall provide and install required cable and punch-down blocks or patch panels to interconnect telecommunication closets and equipment rooms on an as needed, if needed basis.

1.4 Requirements for Adds, Moves and Changes:

- 1.4.1 The contractor shall change cross-connect and line terminations on the connecting blocks to accommodate telephone relocations or re-configurations in accordance with the written instructions provided by the State.
- 1.4.2 The contractor shall change circuits, cross-connects, or terminations to accommodate relocation or the addition of terminals in accordance with the written instructions provided by the State.

1.5 Maintenance and Repair Requirements:

- 1.5.1 The contractor shall, upon request of an authorized agency representative, trouble shoot and repair telephone and data cabling in state owned or leased buildings throughout the specified region.

1.6 Station Equipment Requirements:

- 1.6.1 The contractor shall, only upon the written request of the State of Missouri, install, label, test, and/or provide minor repairs to State-owned station equipment or other telephone devices on a time plus materials basis. Such minor repairs shall include helping to determine if new batteries are required, if coiled cords or line cords are defective, and if AC adapters, headsets, and Meridian telephones are connected correctly. The contractor shall not be required to perform intricate repairs to equipment installed by other contractors.

1.7 Cable Records and Testing Requirements:

- 1.7.1 The contractor shall keep current all cable records presently in use and establish cable records where required.
- 1.7.2 The contractor shall agree and understand that existing cable records and those established by the contractor pursuant to the contract shall be the property of the State of Missouri.
- 1.7.3 The contractor shall, upon request, test all installed circuits for continuity to the jack using appropriate test instruments at the contract time and materials labor price per hour.
- 1.7.4 The contractor shall test all newly installed telephone circuits by obtaining dial tone and completing a call using the new circuit, both inbound and outbound, from the station jack.
- 1.7.5 The contractor shall tag or otherwise identify both ends of all cable installed by the contractor.

1.8 Service Response Requirements:

- 1.8.1 The contractor has agreed and understands that all orders for work will be in writing, except as otherwise described herein, and will be in the form of a properly approved order.
- a. Upon receipt of a request for service involving work on a time and materials basis, the contractor shall prepare a written estimate for approval by the authorized state agency coordinator prior to beginning work. In the event the state agency requests the contractor in writing to visit the site and assist the agency in determining the specific materials and labor needed for a task, the contractor may charge the state agency for the on-site time spent assisting at the appropriate time and materials price per hour. If, however, the contractor visits the state agency location for the purpose of determining the materials and labor needed for a specific task without a written request from the state agency for such a visit, the contractor shall not charge for that service.
- 1.8.2 The contractor shall complete all written orders for adds, moves and changes within five state workdays or less after receipt of order (ARO) unless otherwise agreed to by the state agency.
- 1.8.3 The contractor shall respond to requests for routine repair or maintenance service within eight (8) business hours after the request for service is made. Such requests may be made verbally by any authorized agency coordinator and later confirmed in writing.
- a. Response shall be defined as a technician qualified to perform the requested service on site.
 - b. Response must be by 3:00 p.m. the following state workday.
 - 1) Requests for routine repair service made on Friday, or the day proceeding a State holiday, shall be responded to by 3:00 p.m. on the next following state workday.
- 1.8.4 The contractor must respond to claims of unacceptable service within eight (8) business hours of notification by a State agency.
- a. Response shall be defined as a technician qualified to correct the unacceptable condition on-site.
- 1.8.5 The contractor must respond to requests for emergency repair service within four (4) business hours. Such requests may be made verbally by any authorized state agency coordinator and later confirmed in writing. The final determination of what constitutes an emergency shall be made by the state agency.
- 1.8.6 The State agency will note the authorized agency coordinator for the work to be performed on the order sent to the contractor. In the event an agency coordinator is not identified, the contractor shall contact the state agency and request the name of the appropriate individual.

1.9 Invoice and Payment Requirements:

- 1.9.1 The contractor shall agree that no payments will be made for work performed until the state agency coordinator or, if requested by the state agency, the Division of Facilities Management and Division of Information Services have accepted the work. All invoices shall be submitted to the state agency at the address indicated on the contract release. All payments will be the responsibility of the state agency.
- 1.9.2 The contractor may invoice the state agency at the appropriate firm, fixed price per hour for labor for such hours spent at the state agency site when the contractor's personnel are delayed by the state agency from immediately performing required services. The contractor may invoice the state agency on a per hour labor charge for time spent waiting for the state agency on-site coordinator, access to telecommunications closets, furniture to be moved, etc.

1.10 Other:

- 1.10.1 **Single Point of Contact:** The contractor must function as the single point of contact for the state, regardless of any subcontract arrangements for all products and services. This shall include assuming responsibility and liabilities for all problems relating to all services provided.

1.11 Prevailing Wage Requirements:

- 1.11.1 The contractor shall comply with Section 290.250 RSMo by paying, to all personnel employed for applicable services actually provided under the contract, not less than the prevailing hourly rate of wages as determined by the Department of Labor and Industrial Relations, Division of Labor Standards, specified in Annual Wage Order No. 7 for all Counties for which the contractor shall provide services (See also paragraph 4.1.7).
- 1.11.2 The contractor shall forfeit to the state agency ten dollars (\$10.00) for each person employed, for each calendar day, or portion thereof, such person is paid less than the prevailing hourly rate of wages for any applicable work done under the contract by the contractor or by any subcontractor under them (Section 290.250 RSMo).
- 1.11.3 In addition to the above, the contractor must comply with all other requirements pertaining to the payment of prevailing wages contained in Section 290.210 through 290.340, RSMo. The contractor is advised to review the requirements carefully prior to beginning work.
- 1.11.4 The prevailing wage rates incorporated as a part of this document by the annual wage order referenced above shall remain in effect for the duration of the contract, including renewal option periods, if any.
- 1.12.5 Agencies may request copies of the specific wage orders incorporated in the contract by calling the Division of Purchasing and Materials Management.

1.13 Contact Information:

- 1.13.1 **CONTRACTOR:** The contractor's single point of contact is Brian Reynolds, located at Lan-Tel's Blue Springs Office, 307 S. E. AA Highway, Blue Springs, MO, 64014. Mr. Copeland can be contacted by either of the following numbers:

Toll Free	800-531-9896
Telephone (NORMAL BUSINESS HOURS 8:00 am – 6:00 pm)	816-220-2228 EXT 210
Telephone (AFTER NORMAL BUSINESS HOURS).....	800-531-9896
FAX.....	816-220-3496
Cellular Phone	816-365-0344
e-mail	breyolds@lantelkc.com

- 1.13.2 **OFFICE OF ADMINISTRATION- TECHNICAL ASSISTANCE:**

Stephanie Stafford, Division of Information Service..... 573-526-8039

- 1.13.3 **OFFICE OF ADMINISTRATION – CONTRACTING/PURCHASING ASSISTANCE:**

John Stobbart, Division of Purchasing and Materials Management573-751-3796

1.14 Contractor's Normal Business Hours

1.14.1 Lan-Tel's normal business hours are 8:00 a.m. to 6:00 p.m., Monday through Friday.

1.15 FIRM, FIXED PRICING:

1.15.1 The offeror has provided firm, fixed prices for all materials and services required by the Request for Proposal for the City of St. Louis and counties indicated above. These prices, which are separated from other listed line items, must include all charges appropriate to the line item, and are shown on the following pricing pages.

1.15.2 Pricing for all specified voice wiring runs must include all labor and materials required to complete the wiring run and make it operational including jacks, faceplates, jumpering and testing, but not including data blocks or patch panels.

1.15.3 Pricing for all specified data runs shall include all labor and materials required to complete the wiring run and make it operational including jacks, faceplates, jumpering and testing, but not including data blocks or patch panels.

1.15.4 The voice connecting blocks, data blocks, and patch panels, which shall be provided only upon the request of the agency, shall be priced separately.

1.15.5 Pricing for voice and data blocks and patch panels include brackets and, if applicable, installation.

1.15.6 Pricing for all wiring runs are based upon an average 150 foot run. Adhesive surface raceway is priced separately from the wiring run.

1.16 ITEMIZED PRICING:

<u>LINE ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>
1	Station Wiring Run – Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 3 Jack: Modular RJ11 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$60.00
2	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #001, including all labor and materials.	ft.	\$ 0.21
3	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 5 Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$71.22
4	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #003, including all labor and materials.	ft.	\$ 0.36
5	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 3/3 Jack: Dual Modular RJ11/RJ11 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$106.24

6	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #005, including all labor and materials.	ft.	\$ 0.36
7	Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 3/5 Jack: Modular RJ11/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$117.32
8	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #007, including all labor and materials.	ft.	\$ 0.52
9	Station Wiring Run – Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 3/5E Jack: Modular RJ11/RJ45 5E Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$118.30
10	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #009, including all labor and materials.	ft.	\$ 0.41
11	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Level 5/5 Jack: Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$125.30
12	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #011, including all labor and materials.	ft.	\$ 0.57
13	Station Wiring Run Cable: Type 1, Non-Plenum, Simplex Run Connector(s): Compatible Universal Data, Type A Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$95.43
14	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #013, including all labor and materials.	ft.	\$ 0.41
15	Station Wiring Run Cable: Type 2, Non-Plenum, Single Run, Duplex Cable, Duplex Jack Connector(s): Compatible Universal Data, Type A Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$114.48
16	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #015, including all labor and materials.	ft.	\$ 0.57
17	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Plenum, Level 3 Jack: Modular RJ11 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$74.68
18	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #017, including all labor and materials.	ft.	\$ 0.26

19	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Plenum, Level 5 Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$85.49
20	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #019, including all labor and materials.	ft.	\$ 0.31
21	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Level 3/3 Jack: Modular RJ11/RJ11 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$130.81
22	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #021, including all labor and materials.	ft.	\$ 0.52
23	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Level 3/5 Jack: Dual Modular RJ11/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$138.38
24	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #023, including all labor and materials.	ft.	\$ 0.52
25	Station Wiring Run – Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Level 3/5E Jack: Modular RJ11/RJ45 5E Based on a 150 foot wiring run in accordance with the specifications	ea.	\$141.47
26	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #025, including all labor and materials.	ft.	\$ 0.57
27	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Level 5/5 Jack: Dual Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$153.47
28	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #027, including all labor and materials.	ft.	\$ 0.62
29	Station Wiring Run Cable: Type 1, Plenum, Simplex Run Connector(s): Compatible Universal Data, Type A Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$157.23
30	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #029, including all labor and materials.	ft.	\$ 0.77
31	Station Wiring Run	ea.	\$324.25

Cable: Type 2, Plenum, Duplex Run
Connector(s): Compatible Universal Data, Type A
Based on a 150 foot wiring run in accordance with the specifications.

32	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #031, including all labor and materials.	ft.	\$1.75
33	Station Wiring Run Cable: Type 9, Plenum, Simplex Run Connector(s): Compatible Universal Data, Type A Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$116.91
34	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #033, including all labor and materials.	ft.	\$0.57
35	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Non-Plenum, Enhanced Level 5 Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$72.10
36	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #035, including all labor and materials.	ft.	\$1.29
37	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Enhanced Level 5/5 Jack: Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$123.60
38	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #037, including all labor and materials.	ft.	\$1.44
39	Station Wiring Run - Simplex100 Cable: One (1) Four-Pair Twisted, 24 Gauge, Plenum, Enhanced Level 5 Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$86.11
40	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #039, including all labor and materials.	ft.	\$1.34
41	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Enhanced Level 5/5 Jack: Dual Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$151.41
42	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #041, including all labor and materials.	ft.	\$0.62

43	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Non-Plenum, Category 6, suggested EIA/TIA standard, Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$79.93
44	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #043, including all labor and materials.	ft.	\$0.41
47	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Non-Plenum, Category 6/6 Cable, suggested EIA/TIA standard, Jack: Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$139.05
48	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #047, including all labor and materials.	ft.	\$0.52
51	Station Wiring Run - Simplex Cable: One (1) Four-Pair Twisted, 24 Gauge, Plenum, Category 6, suggested EIA/TIA standard, Jack: Modular RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$113.30
52	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #051, including all labor and materials.	ft.	\$0.52
53	(Line Item Deleted)		
54	(Line Item Deleted)		
55	Station Wiring Run - Duplex Cable: Two (2) Four-Pair Twisted, 24 Gauge, Plenum, Category 6/6, suggested EIA/TIA standard, Jack: Dual Modular RJ45/RJ45 Based on a 150 foot wiring run in accordance with the specifications.	ea.	\$206.00
56	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #055, including all labor and materials.	ft.	\$0.98
59	Station Wiring Run - Duplex Cable: Two (2) Four Pair Twisted, 24 Gauge, Non-Plenum, Category 3/6, suggested EIA/TIA standard. Jack: Dual Modular RJ11/RJ45	ea.	\$125.66
60	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #059, including all labor and materials.	ft.	\$ 0.46
61	Station Wiring Run - Duplex Cable: Two (2) Four Pair Twisted, 24 Gauge, Plenum,	ea.	\$168.92

Category 3/6, suggested EIA/TIA standard
 Jack: Dual Modular RJ11/RJ45

62	Wiring Run Addition Total Price per foot for additional cable length beyond the 150' wiring run price stated in line item #061, including all labor and materials.	ft.	\$ 0.72
67	Telephone Cable, Four-Pair Twisted, 24 Gauge, Non-Plenum, Category 3	ft.	\$ 0.04
68	Telephone Cable, Four-Pair Twisted, 24 Gauge, Non-Plenum, Category 5	ft.	\$ 0.07
69	Telephone Cable, Four-Pair Twisted, 24 Gauge, Non-Plenum, Enhanced Category 5	ft.	\$ 0.08
70	Telephone Cable, Four-Pair Twisted, 24 Gauge, Non-Plenum, Category 6, suggested EIA/TIA standard	ft.	\$ 0.13
72	Type 1 Cable, Non-Plenum	ft.	\$ 0.23
73	Type 2 Cable, Non-Plenum	ft.	\$ 0.32
74	Telephone Cable, Four-Pair Twisted, 24 Gauge, Plenum, Category 3	ft.	\$ 0.07
75	Telephone Cable, Four-Pair Twisted, 24 Gauge, Plenum, Category 5	ft.	\$ 0.16
76	Telephone Cable, Four-Pair Twisted, 24 Gauge, Plenum, Enhanced Category 5	ft.	\$ 0.18
77	Telephone Cable, Four-Pair Twisted, 24 Gauge, Plenum, Category 6, suggested EIA/TIA standard	ft.	\$ 0.36
79	Telephone Cable, 25 Pair Twisted, 24 Gauge, Category 3, Riser Rated, Plenum	ft.	\$ 0.45
80	Telephone Cable, 50 Pair Twisted, 24 Gauge, Category 3, Riser Rated, Plenum	ft.	\$1.03
81	Telephone Cable, 100 Pair Twisted, 24 Gauge, Category 3, Riser Rated, Plenum	ft.	\$1.91
82	Telephone Cable, 200 Pair Twisted, 24 Gauge, Category 3, Riser Rated, Plenum	ft.	\$4.52
83	Telephone Cable, 300 Pair Twisted, 24 Gauge, Category 3, Riser Rated, Plenum	ft.	\$7.50
84	Telephone Cable, 25 Pair Twisted, 24 Gauge, Riser Rated, Category 3, Non-Plenum	ft.	\$ 0.24
85	Telephone Cable, 50 Pair Twisted, 24 Gauge, Riser Rated, Category 3, Non-Plenum	ft.	\$ 0.48
86	Telephone Cable, 100 Pair Twisted, 24 Gauge, Riser Rated, Category 3, Non-Plenum	ft.	\$ 1.00

87	Telephone Cable, 200 Pair Twisted, 24 Gauge, Riser Rated, Category 3, Non-Plenum	ft.	\$2.11
88	Telephone Cable, 300 Pair Twisted, 24 Gauge, Riser Rated, Category 3, Non-Plenum	ft.	\$3.55
89	Type 1 Cable, Plenum	ft.	\$ 0.64
90	Type 2 Cable, Plenum	ft.	\$ 0.74
91	Type 9 Cable, Plenum	ft.	\$ 0.38
92	Fiber Riser Cable, 6-strand, multi-mode, inside, non-plenum	ft.	\$ 0.79
93	Fiber Riser Cable, 6-strand, multi-mode, inside, plenum	ft.	\$ 0.82
94	Fiber Riser Cable, 6-strand, single mode, inside, non-plenum	ft.	\$ 0.52
95	Fiber Riser Cable, 6-strand, single mode, inside, plenum	ft.	\$ 0.55
96	Fiber Riser Cable, 12-strand, multi-mode, inside, non-plenum	ft.	\$1.56
97	Fiber Riser Cable, 12-strand, multi-mode, inside, plenum	ft.	\$1.65
98	Fiber Riser Cable, 12-strand, single mode, inside, non-plenum	ft.	\$1.01
99	Fiber Riser Cable, 12-strand, single -mode, inside, plenum	ft.	\$1.08
100	Fiber Riser Cable, 24-strand, multi-mode, inside, non-plenum	ft.	\$3.25
101	Fiber Riser Cable, 24-strand, multi-mode, inside, plenum	ft.	\$3.43
102	Fiber Riser Cable, 24-strand, single mode, inside, non-plenum	ft.	\$2.21
103	Fiber Riser Cable, 24-strand, single mode, inside, plenum	ft.	\$4.17
104	Fiber Riser Cable, 36-strand, multi-mode, inside, non-plenum	ft.	\$6.68
105	Fiber Riser Cable, 36-strand, multi-mode, inside, plenum	ft.	\$7.13
106	Fiber Riser Cable, 36-strand, single mode, inside, non-plenum	ft.	\$4.52
107	Fiber Riser Cable, 36-strand, single mode, inside, plenum	ft.	\$4.76
108	Fiber Riser Cable, 48-strand, multi-mode, inside, non-plenum	ft.	\$7.73
109	Fiber Riser Cable, 48-strand, multi-mode, inside, plenum	ft.	\$8.24
110	Fiber Riser Cable, 48-strand, single -mode, inside, non-plenum	ft.	\$5.72
111	Fiber Riser Cable, 48-strand, single -mode, inside, plenum	ft.	\$6.13
112	Indoor/Outdoor Fiber Optic Cable Single-mode run Cable: 6 Fiber, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments	ft.	\$ 0.67

113	Indoor/Outdoor Fiber Optic Cable Single-mode run Cable: 12 Fiber, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments	ft.	\$ 0.97
114	Indoor/Outdoor Fiber Optic Cable Single-mode run Cable: 24 Fiber, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments	ft.	\$1.55
115	Indoor/Outdoor Fiber Optic Cable Multi-mode run Cable: 6 Fiber, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments	ft.	\$0.96
116	Indoor/Outdoor Fiber Optic Cable Multi-mode run Cable: 12 Fiber, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments	ft.	\$1.55
117	Indoor/Outdoor Fiber Optic Cable Multi-mode run Cable: 24 strand, Non-Plenum riser rated cable, Loose Tube, Water proof, Filled Cable for aerial, duct, and riser environments.	ft.	\$2.95
118	Innerduct, fiber optic, riser, inside, one-inch diameter, non-plenum, bendable, with pull strings	ft.	\$ 0.48
119	Innerduct, fiber optic, riser, inside, one-inch diameter, plenum, bendable, with pull strings	ft.	\$1.93
120	Innerduct, fiber optic, riser, inside, 1.25-inch diameter, non-plenum, bendable, with pull strings	ft.	\$ 0.74
121	Innerduct, fiber optic, riser, inside, 1.25-inch diameter, plenum, bendable, with pull strings	ft.	\$2.83
122	Single Patch cord, fiber type, multi-mode, one-meter length, with ST connector	ea.	\$25.75
123	Single Patch cord, fiber type, multi-mode, one-meter length, with SC connector	ea.	\$26.27
124	Single Patch cord, fiber type, multi-mode, one-meter length, with FC connector	ea.	\$43.26
125	Single Patch cord, fiber type, multi-mode, three-meter length, with ST connector	ea.	\$28.33
126	Single Patch cord, fiber type, multi-mode, three-meter length, with SC connector	ea.	\$29.87
127	Single Patch cord, fiber type, multi-mode, three-meter length, with FC connector	ea.	\$45.32
128	Single Patch cord, fiber type, single mode, one-meter length, with ST connector	ea.	\$38.52
129	Single Patch cord, fiber type, single mode, one-meter length, with SC connector	ea.	\$41.92

130	Single Patch cord, fiber type, single mode, one-meter length, with FC connector	ea.	\$56.65
131	Single Patch cord, fiber type, single mode, three-meter length, with ST connector	ea.	\$39.66
132	Single Patch cord, fiber type, single mode, three-meter length, with SC connector	ea.	\$42.23
133	Single Patch cord, fiber optic, single mode, three-meter length, with FC connector	ea.	\$58.71
134	Hybrid Fiber Optic Patch Cords 1 Meter, Multi-Mode Connectors (Example: An ST connector on one end and an SC connector on the other. An FC connector could also be on one end and either an ST/SC connector on the other)	ea.	\$128.75
135	Hybrid Fiber Optic Patch Cords 3 Meter, Multi-Mode Connectors (Example: An ST connector on one end and an SC connector on the other. An FC connector could also be on one end and either an ST/SC connector on the other)	ea.	\$103.00
136	Hybrid Fiber Optic Patch Cords 1 Meter, Single-Mode Connectors (Example: An ST connector on one end and an SC connector on the other. An FC connector could also be on one end and either an ST/SC connector on the other)	ea.	\$32.03
137	Hybrid Fiber Optic Patch Cords 3 Meter, Single-Mode Connectors (Example: An ST connector on one end and an SC connector on the other. An FC connector could also be on one end and either an ST/SC connector on the other)	ea.	\$40.46
138	12-fiber capacity, wall mount cabinet	ea.	\$67.98
139	12-fiber capacity, 19" rack mount, fiber housing	ea.	\$105.06
140	24-fiber capacity, wall mount cabinet	ea.	\$82.40
141	24-fiber capacity, 19" rack mount, fiber housing	ea.	\$115.36
142	36-fiber capacity, wall mount cabinet	ea.	\$107.12
143	36-fiber capacity, 19" rack mount, fiber housing	ea.	\$118.45
144	48-fiber capacity, wall mount cabinet	ea.	\$118.45
145	48-fiber capacity, 19" rack mount, fiber housing	ea.	\$156.56
146	Fiber panels with couplings, with 6 multi-mode ST connectors	ea.	\$ 22.96
147	Fiber panels with couplings, with 6 multi-mode SC connectors	ea.	\$40.69

148	Fiber panels with couplings, with 6 multi-mode FC connectors	ea.	\$87.55
149	Fiber panels with couplings, with 6 single mode ST connectors	ea.	\$32.96
150	Fiber panels with couplings, with 6 single mode SC connectors	ea.	\$54.38
151	Fiber panels with couplings, with 6 single mode FC connectors	ea.	\$99.91
152	Fiber Panel Blanks installed to cover up unused slots	ea.	\$5.67
153	¾" x 4' x 8' Fire Retardant Plywood	ea.	\$77.25
154	Bridging clips, stainless steel	ea.	\$ 0.04
155	¾" Non-metallic adhesive surface raceway for wire runs, includes covers	ft.	\$ 0.91
156	¾" Non-metallic adhesive surface raceway fittings, coupling	ea.	\$ 0.91
157	¾" Non-metallic adhesive surface raceway fittings, end cap	ea.	\$ 0.94
158	¾" Non-metallic adhesive surface raceway fittings, inside corner	ea.	\$ 0.97
159	¾" Non-metallic adhesive surface raceway fittings, outside corner	ea.	\$ 0.97
160	¾" Non-metallic adhesive surface raceway fittings, right angle	ea.	\$ 0.97
161	¾" Non-metallic adhesive surface raceway fittings, T connection	ea.	\$1.03
162	2" Non-metallic adhesive surface raceway for wire runs, includes covers	ft.	\$1.80
163	2" Non-metallic adhesive surface raceway fittings, coupling	ea.	\$1.47
164	2" Non-metallic adhesive surface raceway fittings, end cap	ea.	\$1.60
165	2" Non-metallic adhesive surface raceway fittings, inside corner	ea.	\$1.65
166	2" Non-metallic adhesive surface raceway fittings, outside corner	ea.	\$1.65
167	2" Non-metallic adhesive surface raceway fittings, right angle	ea.	\$1.80
168	2" Non-metallic adhesive surface raceway fittings, T connection	ea.	\$2.21
169	Telecom/Data Accessories: 25 Pair Punch Down Block, Type 66MI, Category 3	ea.	\$5.51
170	Telephone/Data Accessories: 89B Block Standoff	ea.	\$1.08
171	Telephone/Data Accessories: 100 Pair, 110 Connecting Block, Category 5, S110 Jack Four Pair Module, with stand off, and designation strips.	ea.	\$21.53
172	Telephone/Data Accessories: 300 Pair, 110 Connecting Block, Category 5, S110 Jack Four Pair Module, with stand off, and designation strips.	ea.	\$62.32

173	Telephone/Data Accessories: 100 Pair, 110 Connecting Block, Category 5, S110 Jack Five Pair Module, with stand off, and designation strips.	ea.	\$21.63
174	Telephone/Data Accessories: 300 Pair, 110 Connecting Block, Category 5, S110 Jack Five Pair Module, with stand off, and designation strips.	ea	\$62.32
175	Patch Panel, Suitable for Type 1 Universal Connector, 64 Position	ea	\$107.64
176	Telephone/Data Accessories: 110 Patch Panel, Enhanced LAN-Patch Category 5 (ELP5) Modular to 110 Printed Circuit Board, 24 Port	ea	\$92.91
177	Telephone/Data Accessories: 110 Patch Panel, Enhanced LAN-Patch Category 5 (ELP5) Modular to 110 Printed Circuit Board, 48 Port	ea	\$183.34
178	Telephone/Data Accessories: 110 Patch Panel, Enhanced LAN-Patch Category 5, (ELP5) Modular 110 Printed Circuit Board, 96 Port	ea	\$329.60
179	Single Simplex Modular Jack, RJ11 for Category 3 Cable Labor and faceplate included.	ea	\$2.83
180	Simplex Modular Jack, RJ45 for Category 5 Cable Labor & faceplate included.	ea	\$6.18
181	Simplex Modular Jack, RJ45 for Category 6 Cable suggested EIA/TIA standard, Cable, Labor & faceplate included.	ea.	\$48.41
183	Dual Modular Jack, RJ11/RJ45 for Category 3/5 Cable Labor & faceplate included.	ea.	\$49.44
184	Dual Modular Jack, RJ45/RF45 for Category 5/5 Cable Labor & faceplate included.	ea.	\$9.40
185	Dual Modular Jack, RJ45/RF45 for Enhanced Category 5/5 Cable Labor & faceplate included	ea.	\$22.66
186	Dual Modular Jack, RJ45/RF45 for Category 6/6 Cable, suggested EIA/TIA standard, Cable, Labor & faceplate included.	ea.	\$88.07
188	Modular Jack Upgrade from Category 3 to Category 5, Utilizing an 8-pin insulation displacement jack/connector, utilizing existing cable (for use with modular furniture).	ea.	\$3.50
189	Telephone/Data Accessories: Jumper Wire, Standard 2 Conductor	ft.	\$ 0.26
190	Telephone/Data Accessories: Jumper Wire, Category 5	ft.	\$ 0.53
191	Telecom Installation Labor for Category 5 Certification at time of Installation. Per Line.	hr.	\$3.09
192	Telecom Installation:	hr.	\$47.38

Labor: Per hour charge for labor during normal business hours
(8:00 a.m. through 5:00 p.m., Monday through Friday except holidays).

193	Telecom Installation: Labor: Per hour charge for labor outside of normal business hours, Monday through Friday and on Saturdays except holidays.	hr.	\$71.07
194	Telecom Installation: Labor: Per hour charge for labor on Sundays and Holidays.	hr.	\$94.76
195	Outside plant cable: 25 pair, 24 AWG, outside type, gel filled	ft.	\$ 0.38
196	Outside plant cable: 50 pair, 24 AWG, outside type, gel filled	ft.	\$ 0.67
197	Outside plant cable: 100 pair, 24 AWG, outside type, gel filled	ft.	\$1.23
198	Outside plant cable: 25 pair, 24 AWG, outside type, gel filled, gopher proof	ft.	\$ 0.46
199	Outside plant cable: 50 pair, 24 AWG, outside type, gel filled, gopher proof	ft.	\$ 0.77
200	Outside plant cable: 100 pair, 24 AWG, outside type, gel filled, gopher proof	ft.	\$1.42
201	Provide and install lightning protection termination on each end of outside plant cable, 25 pair, 24 AWG	total	\$147.29
202	Provide and install lightning protection termination on each end of outside plant cable, 50 pair, 24 AWG	total	\$283.25
203	Provide and install lightning protection termination on each end of outside plant cable, 100 pair, 24 AWG	total	\$548.99
204	Provide and install lightning protection termination on each end of outside plant cable, 25 pair, 24 AWG, gopher proof	total	\$147.29
205	Provide and install lightning protection termination on each end of outside plant cable, 50 pair, 24 AWG, gopher proof	total	\$283.25
206	Provide and install lightning protection termination on each end of outside plant cable, 100 pair, 24 AWG, gopher proof	total	\$548.99
207	Cable splicing for 25 pair, 24 AWG outside plant cable. Splices must be gel filled and splice closures must be filled with a re-enterable compound.	total	\$100.94
208	Cable splicing for 50 pair, 24 AWG outside plant cable. Splices must be gel filled and splice closures must be filled with a re-enterable compound.	total	\$110.21
209	Cable splicing for 100 pair, 24 AWG outside plant cable. Splices must be gel filled and splice closures must be filled with a re-enterable compound.	total	\$124.63
210	Cable splicing for 25 pair, 24 AWG outside plant cable, gopher proof.	total	\$100.94

Splices must be gel filled and splice closures must be filled with a re-enterable compound.

211	Cable splicing for 50 pair, 24 AWG outside plant cable, gopher proof. Splices must be gel filled and splice closures must be filled with a re-enterable compound.	total	\$1.11
212	Cable splicing for 100 pair, 24 AWG outside plant cable, gopher proof. Splices must be gel filled and splice closures must be filled with a re-enterable compound.	total	\$124.63
213	Provide and install a two conductor jumper wire, not to exceed 25 feet in length for the initial jumper, per trip.	total	\$5.15
214	Provide and install each additional two conductor jumper wire, not to exceed 25 length, on the same trip.	ea.	\$2.58
215	19" X 7' Relay Rack Clear Aluminum	ea.	\$124.63
216	19" x 21" x 12" Wall Mount Relay Rack	ea.	\$103.00
217	19" x 24" x 12" Wall Mount Relay Rack	ea.	\$108.15
218	Metal Jumper Rings for wire management	ea.	\$ 1.02
219	19" X 7' Relay Rack Self Supporting Black	ea.	\$124.63
220	Relay Rack Installation Anchor Kit 4 (3/8)	ea.	\$2.83
221	Vertical Wire Management Panel 6" X 7' Clear Aluminum	ea.	\$218.36
222	Vertical Wire Management Panel 6" X 7' Black	ea.	\$234.84
223	Wire Management Panel 3 1/2" X 19"	ea.	\$32.86
224	Category 5, (12 Port) RJ45, 568B Wall Mount, Patch Panel	ea.	\$67.98
225	Patch Cord Category 5 RJ45 3ft. Gray	ea.	\$2.16
226	Patch Cord Category 5 RJ45 7ft. Gray	ea.	\$2.61
227	Patch Cord Category 5 RJ45 10ft. Gray	ea.	\$2.95
228	Patch Cord Category 5 RJ45 12ft Gray	ea.	\$3.61
229	Wall Mounting Bracket 3 1/2" X 19"	ea.	\$25.75
230	Wall Mounting Bracket 5 1/4" X 19"	ea.	\$25.75
231	Wall Mounting Bracket 10 1/2" X 19"	ea.	\$32.96
234	Discount-Percentage off of list price for related items not listed above		10%
235	Trip Charge		\$154.50
236	Journeyman Electrician	hr	\$71.71

M-F, 7:00am to 3:30 pm

237	Foreman Electrician M-F, 7:00am to 3:30 pm	hr	\$78.19
238	Communication Technician M-F, 7:00am to 3:30 pm	hr	\$52.93
239	Communication Foreman Technician M-F, 7:00am to 3:30 pm	hr	\$57.80
240	Communication Composite Crew Foreman M-F, 7:00am to 3:30 pm	hr	\$67.91
241	Laborer M-F, 7:00am to 3:30 pm	hr	\$49.37
242	Additional rate per hour for smaller jobs run from service trucks. M-F, 7:00am to 3:30 pm	hr	\$9.48

- **TRIP CHARGE – WORK ORDERS:** A trip charge will apply to each work order for job locations over 50 miles from the contractors Blue Springs office. However, a trip charge will not apply if the contractor has a work crew at the location. Only one trip charge will apply to jobs in the same approximate area and that can be completed in the same day. In the event more than one agency has a job in the same approximate area, that can be completed in the same day, the trip charge will be split evenly among agencies. For jobs that required an extended stay, there will be one trip charge of \$150.00 per five days and/or one per week.
- **TRIP CHARGE – ESTIMATES/INSPECTIONS:** A trip charge will be applicable for each trip made for estimates and/or site inspections that are over 50 miles from the contractors Blue Springs Office. However, if the estimate or inspection results in an agency order, the trip charge will be waived.